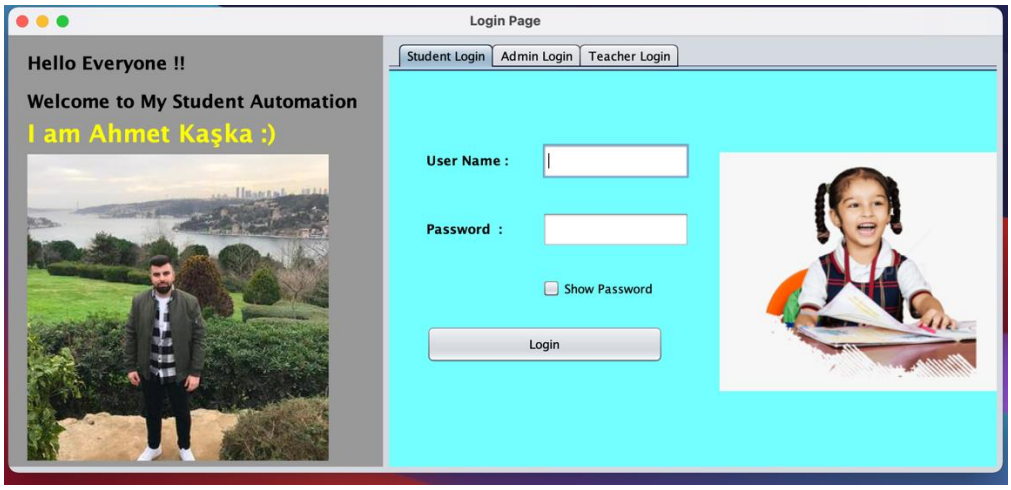
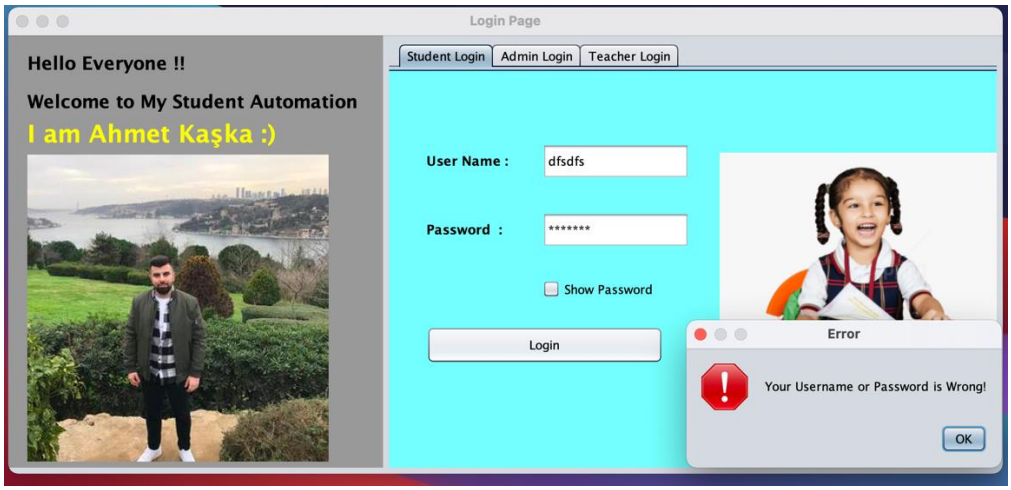
Student Automation

I implemented a student automation project in Java. I defined classes such as person, student, teacher, admin, course. I reduced code duplication by establishing an inheritance relationship between these classes. I grasped the basics of object-oriented programming in this project. I used encapsulation, inheritance, overriding methods. I learned to design interfaces with Swing. I used database MySql Workbench. The information of the created objects is stored in the database.

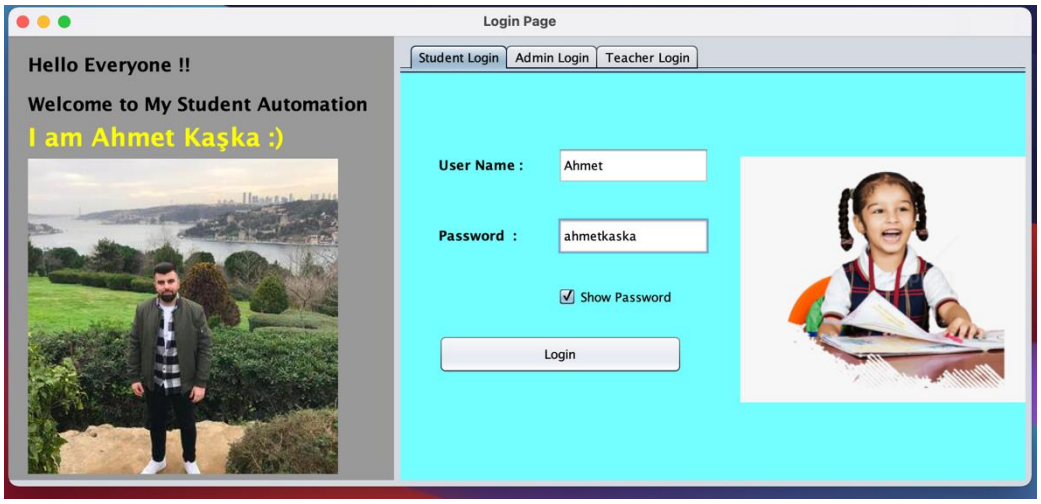
- Student Panels.



- If password or user name is wrong.



- Show password in student login page.

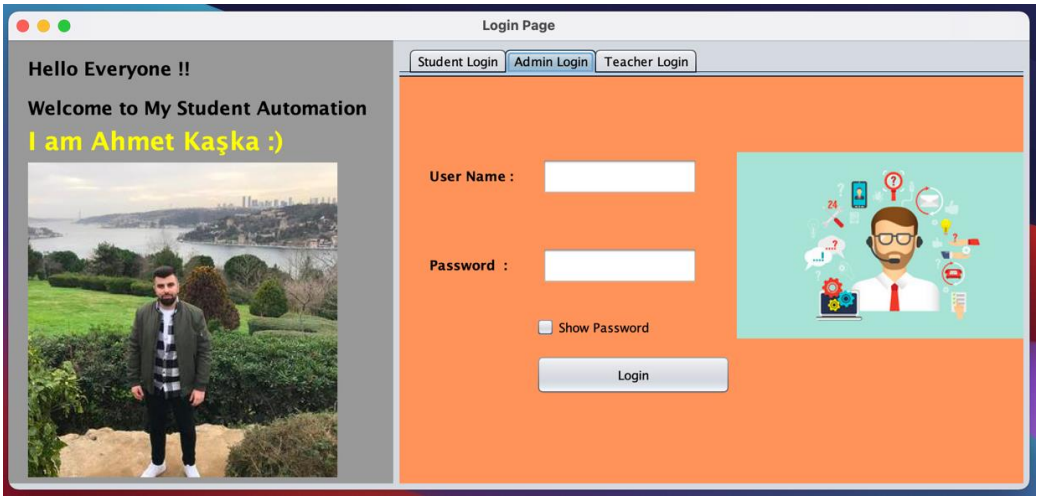


- We can access the student's personal information, course schedule and grade information through the Student Panel.

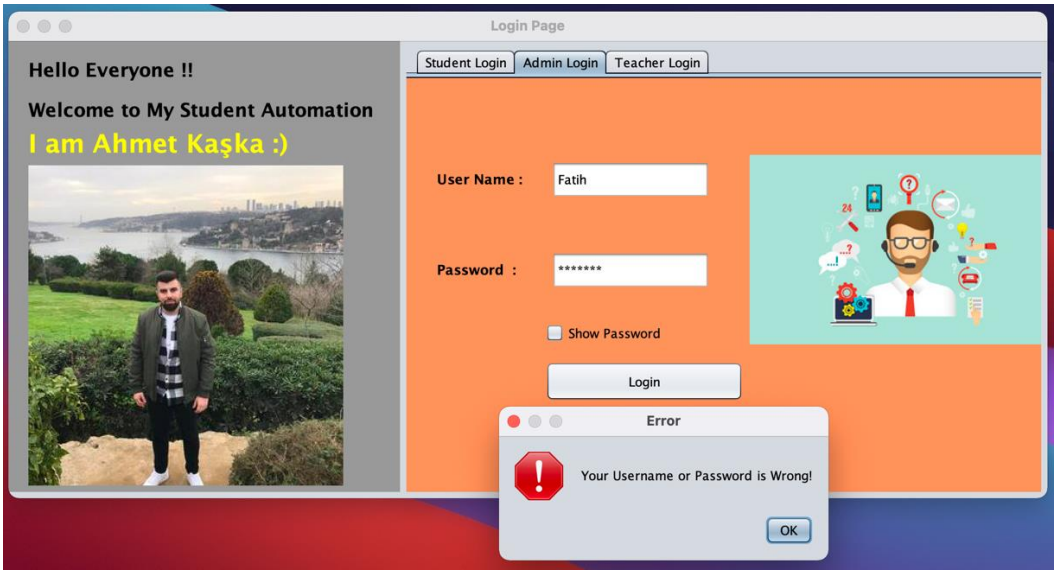
- Syllabus

- Note Informations

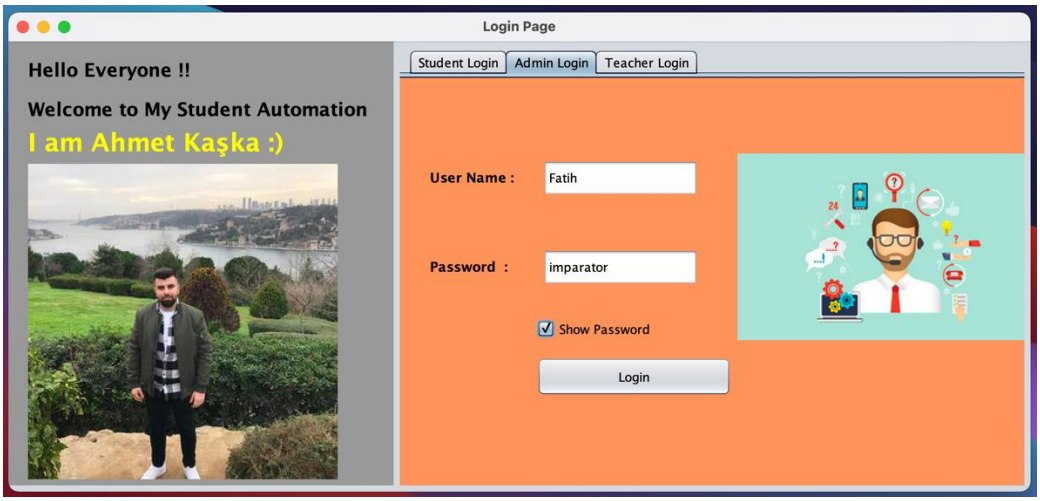
- Admin Panels



- If password or username of admin is wrong

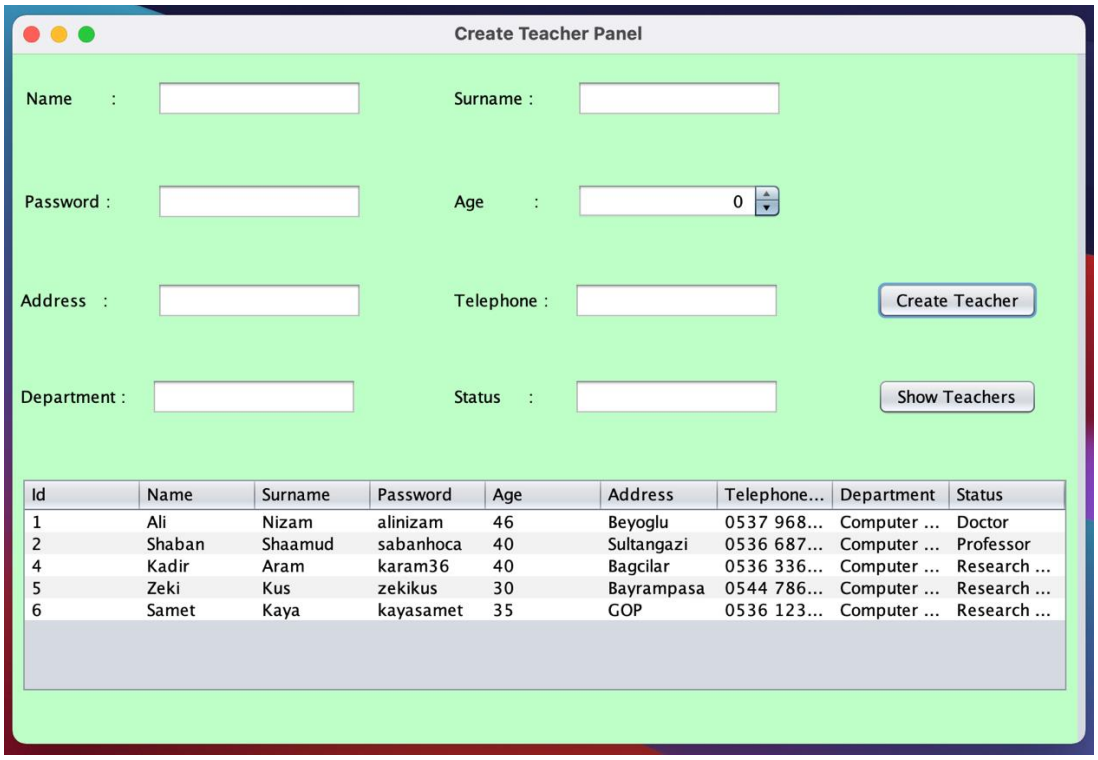


- Show admin’s password

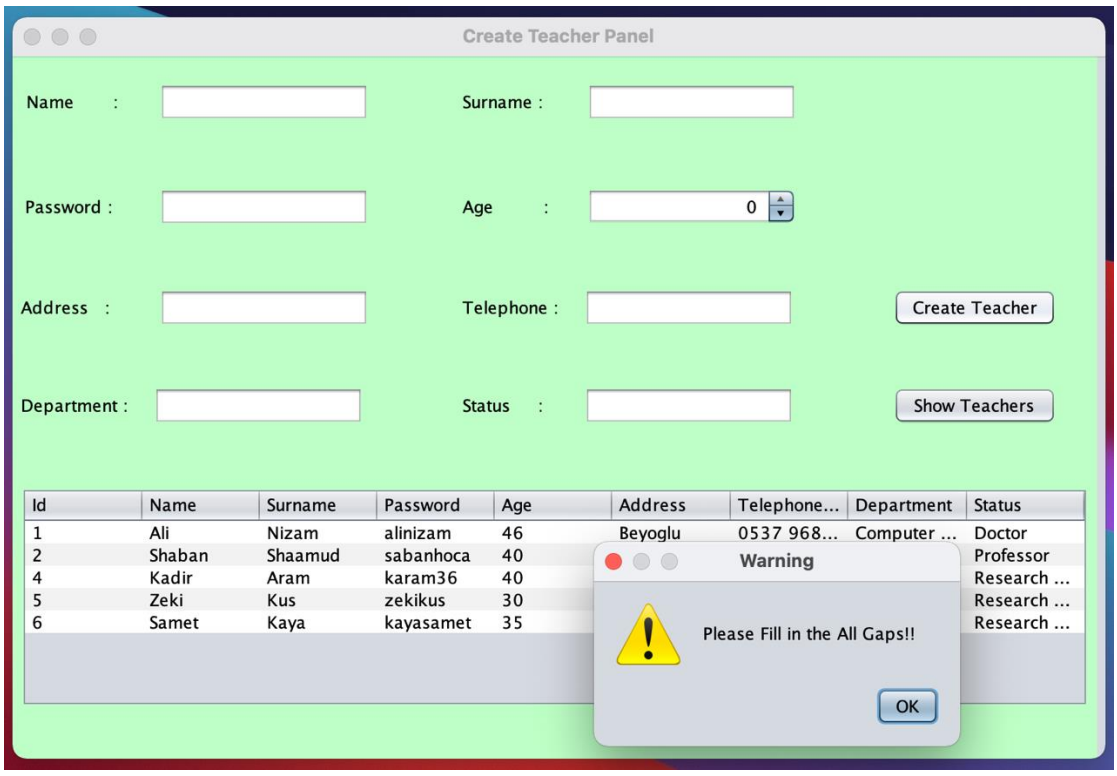


- There is admin information in the Admin Panel. There are student, teacher and course creation processes. (Classes belonging to student and teacher objects have inherited some properties from the Person class.) The information of the objects created through these processes is stored in the database.

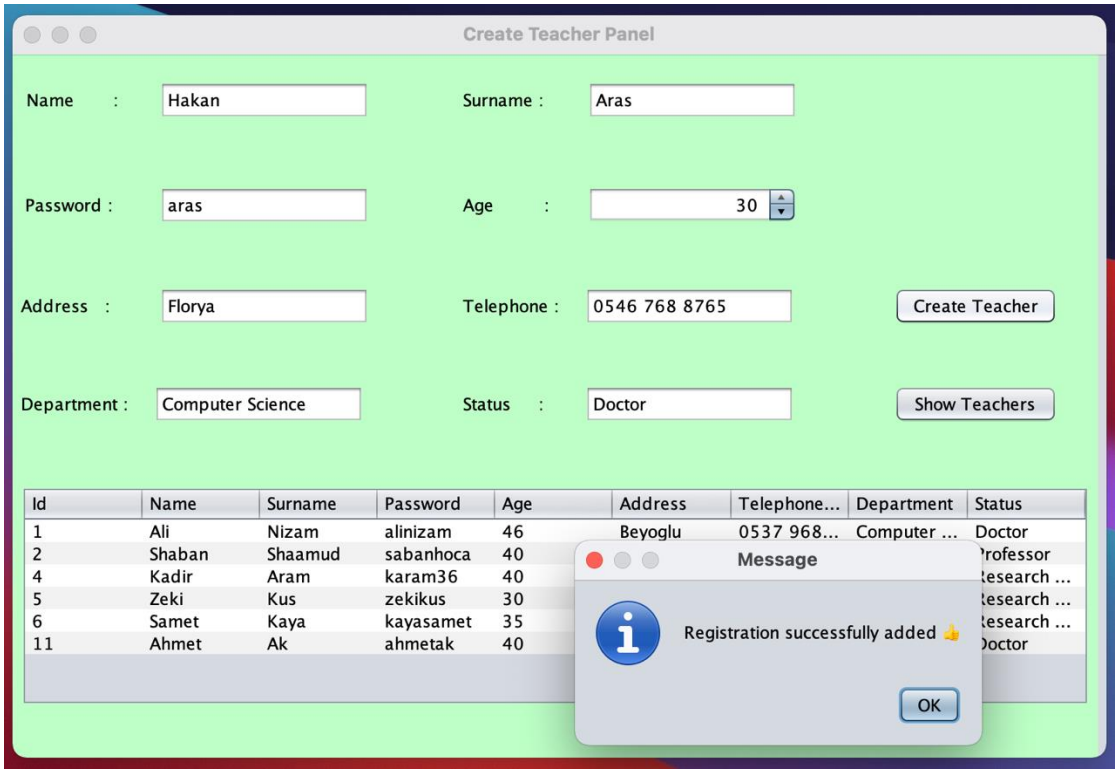
- Creat Teacher



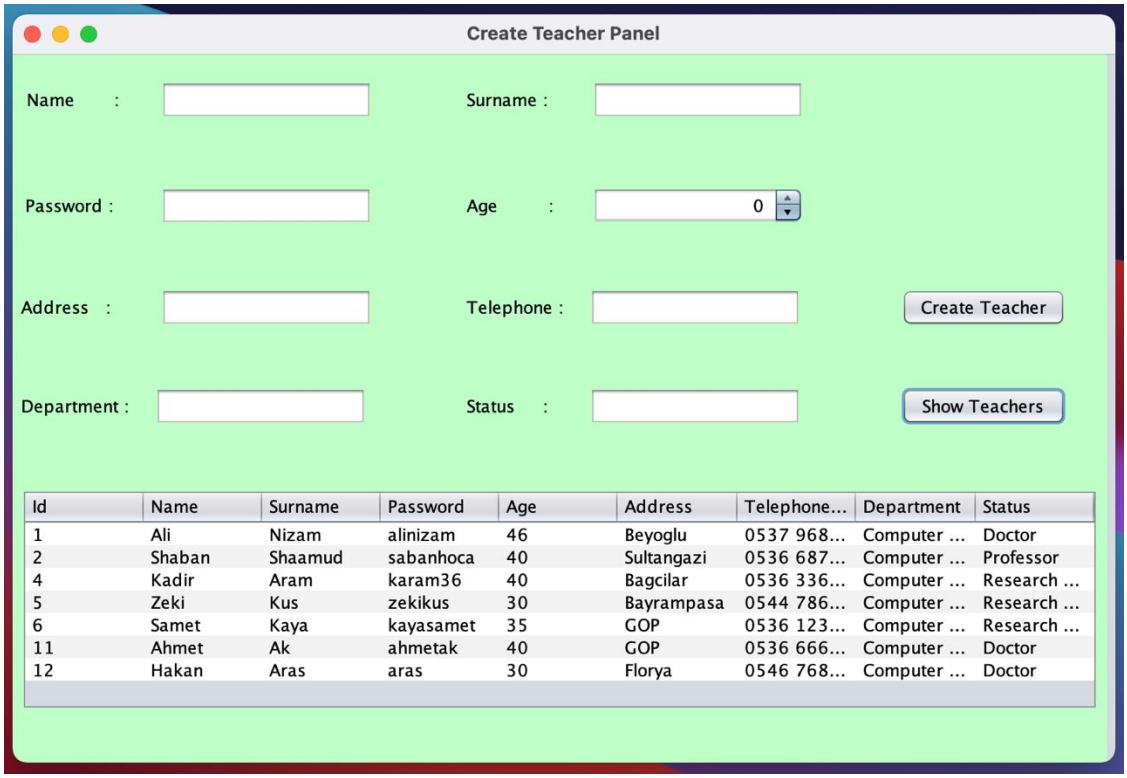
- If there are text fields left blank, it gives a warning message.



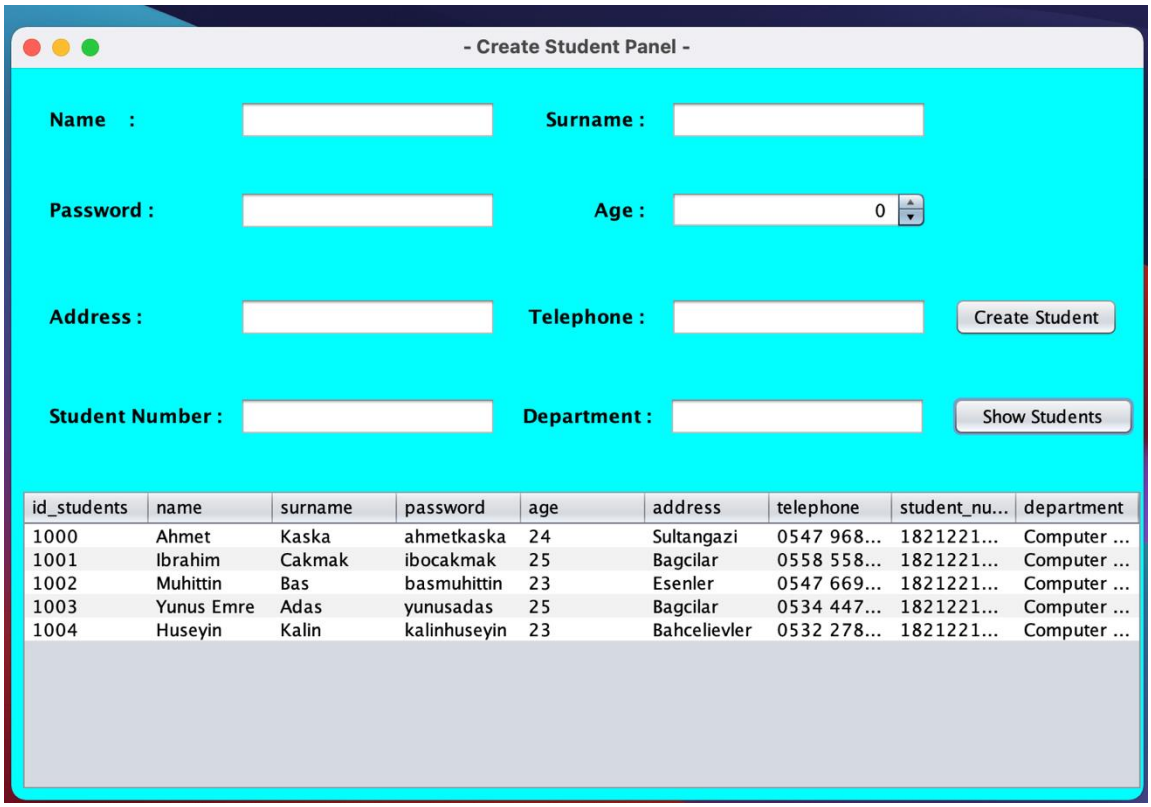
- A new teacher object is created by filling in the text fields, and the information that a new record has been added to the database of the created teacher object's information is displayed.



- With the Show teacher button, the teacher records drawn from the database are displayed.



- Creat Student



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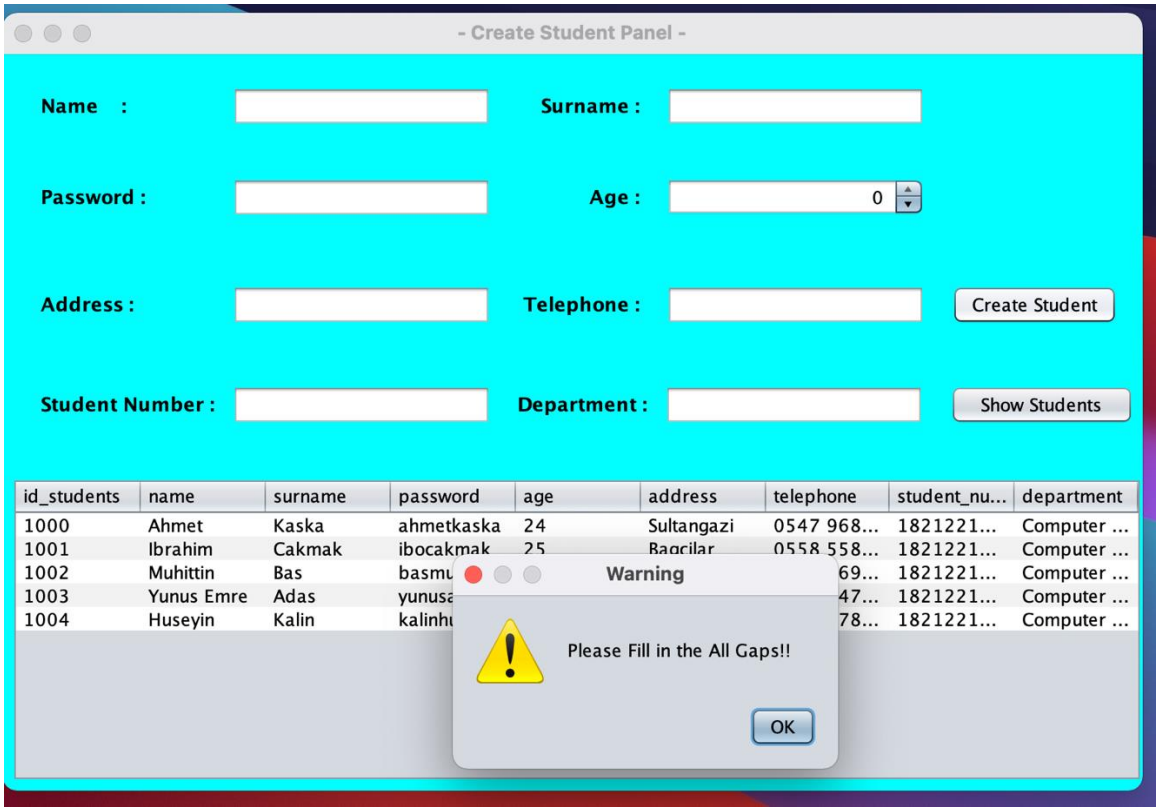
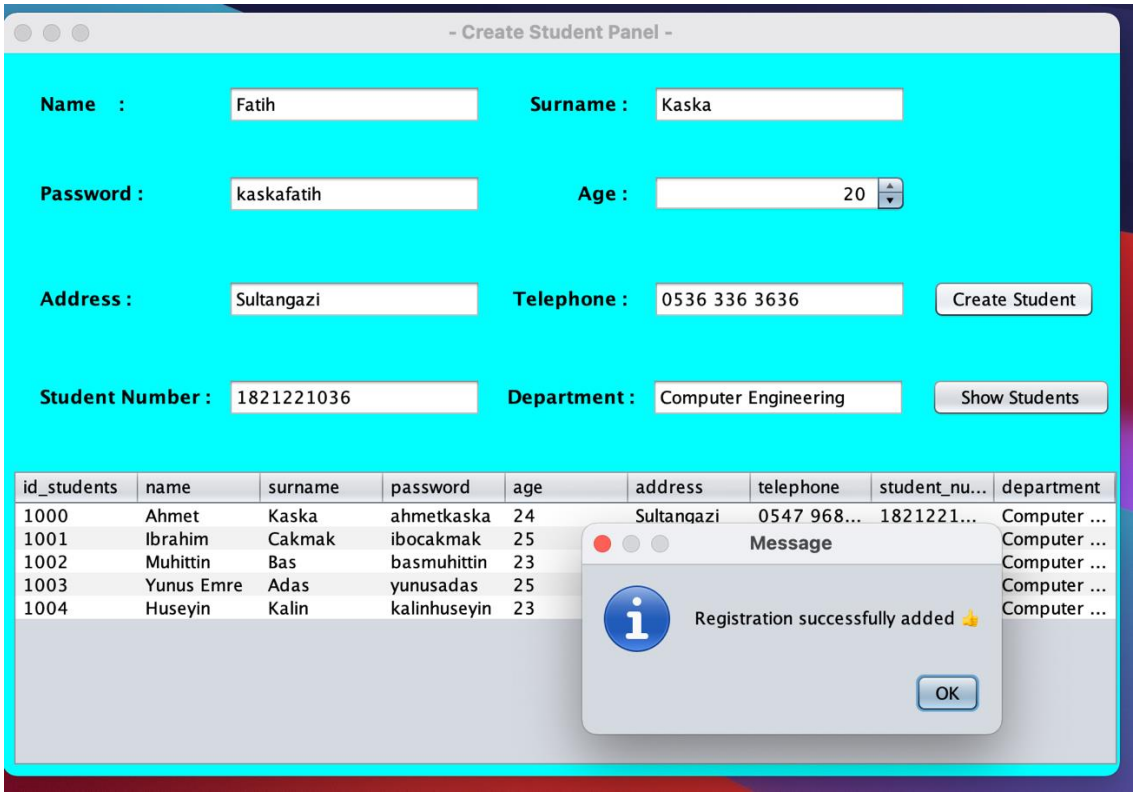
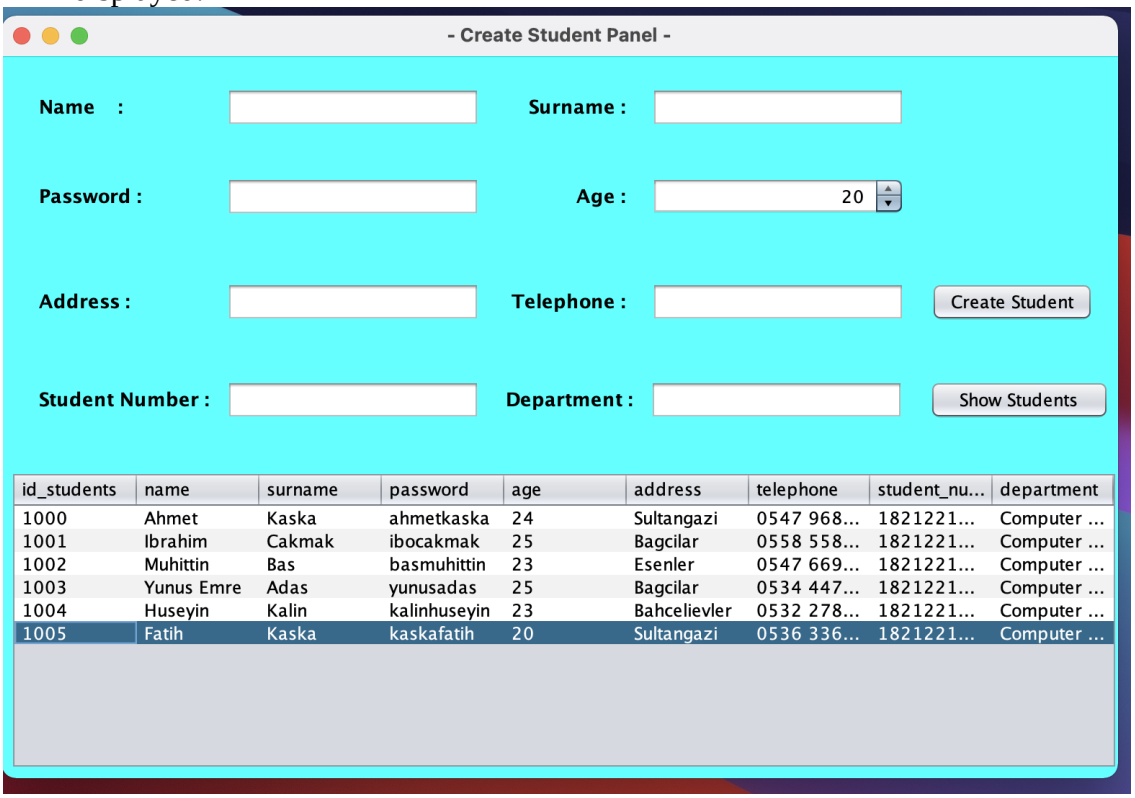


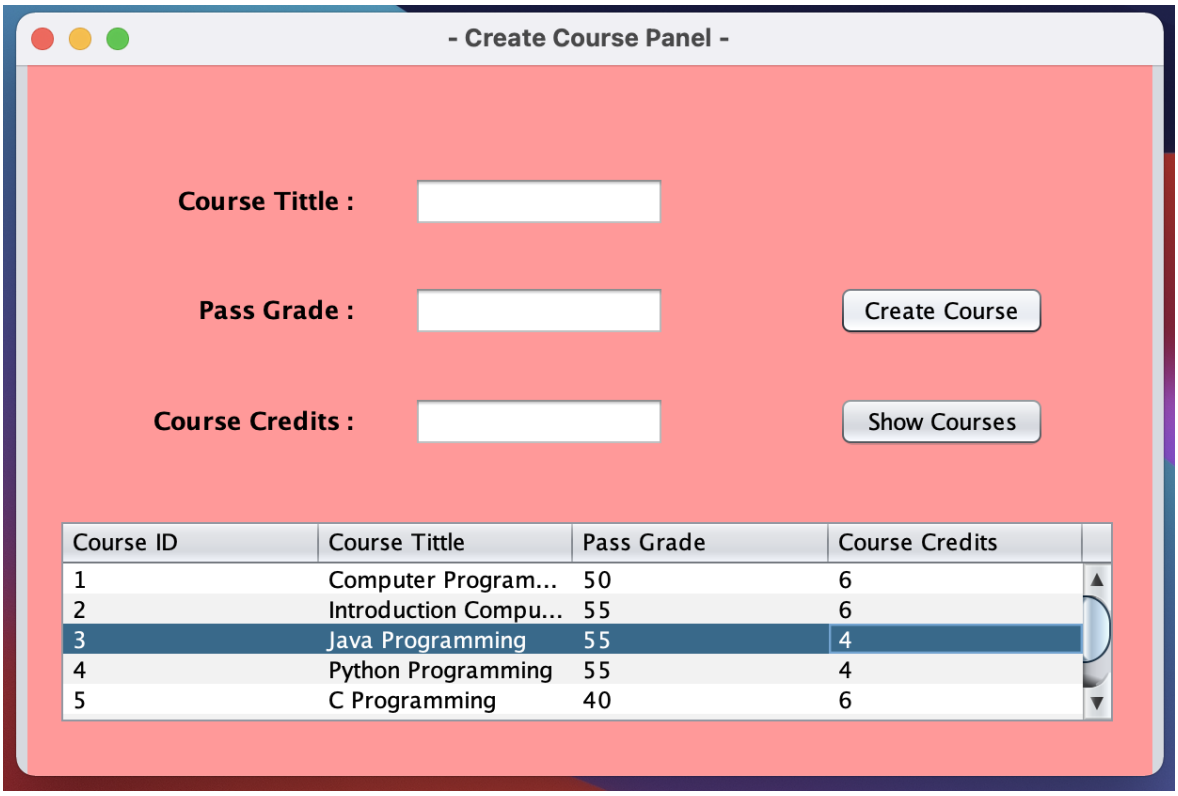
- A new student object is created by filling in the text fields, and the information that a new record has been added to the database of the created student object's information is displayed.



- With the Show student button, the teacher records drawn from the database are displayed.



- Creat Course



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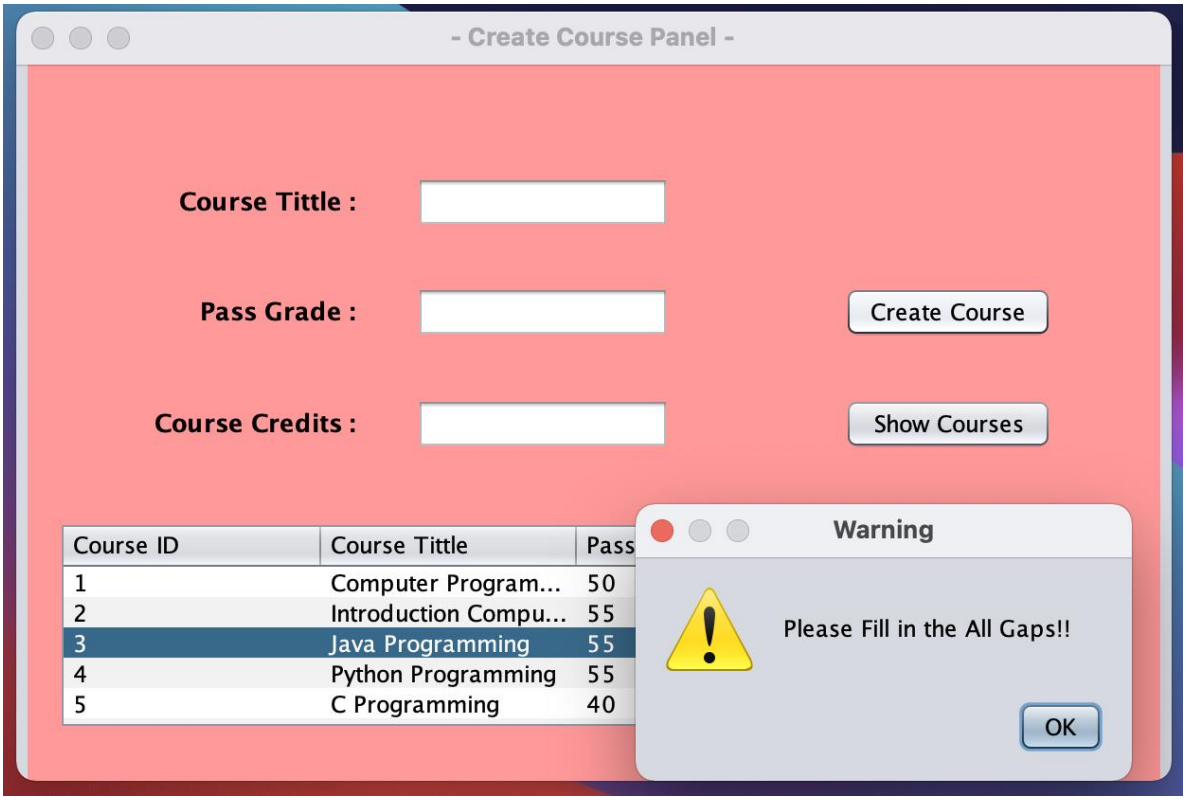
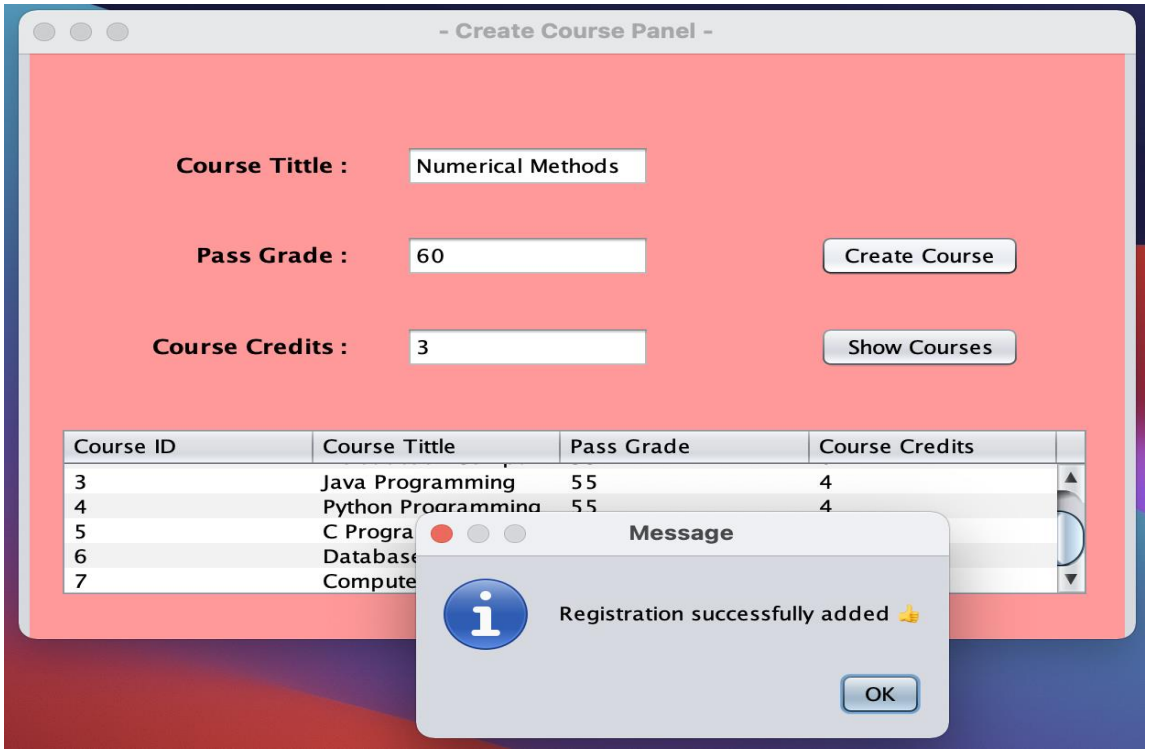
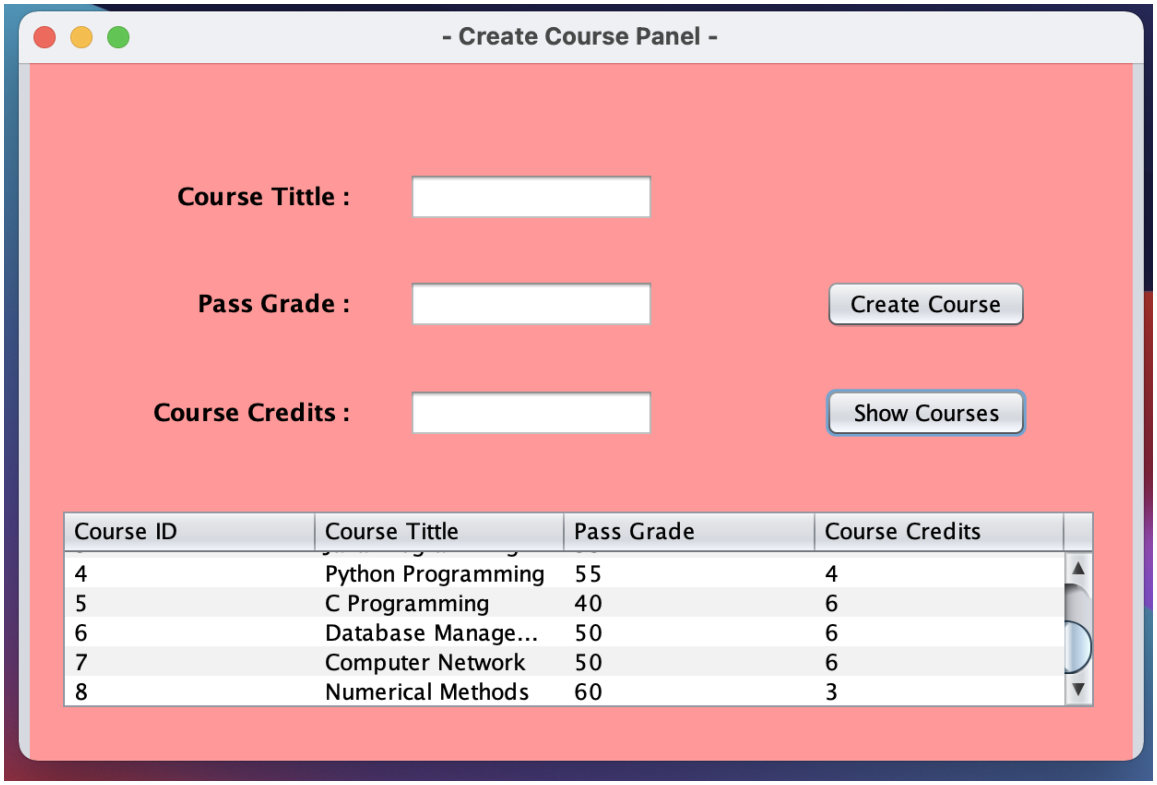


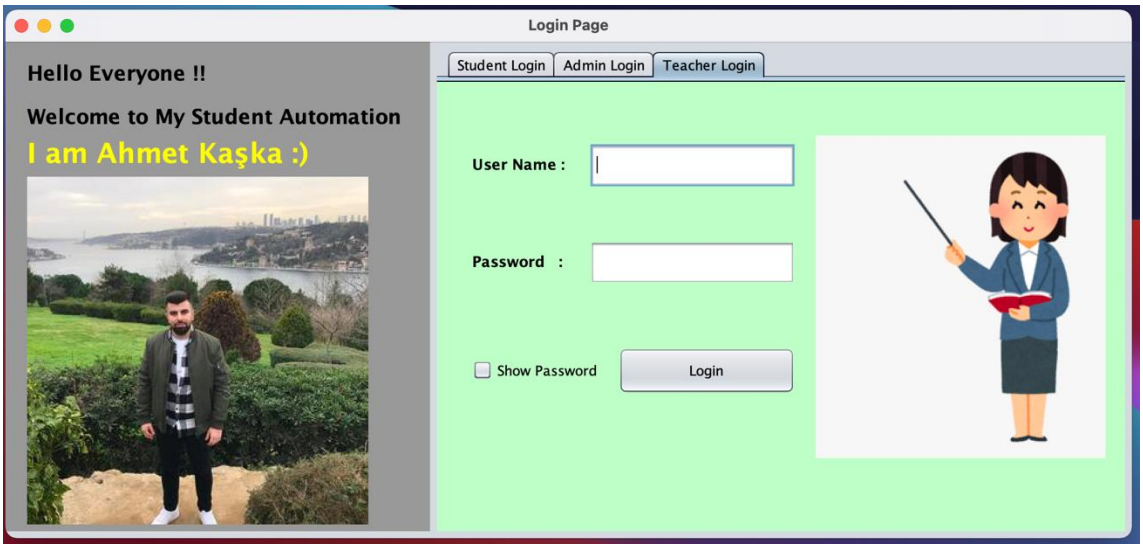
- A new course object is created by filling in the text fields, and the information that a new record has been added to the database of the created course object's information is displayed.



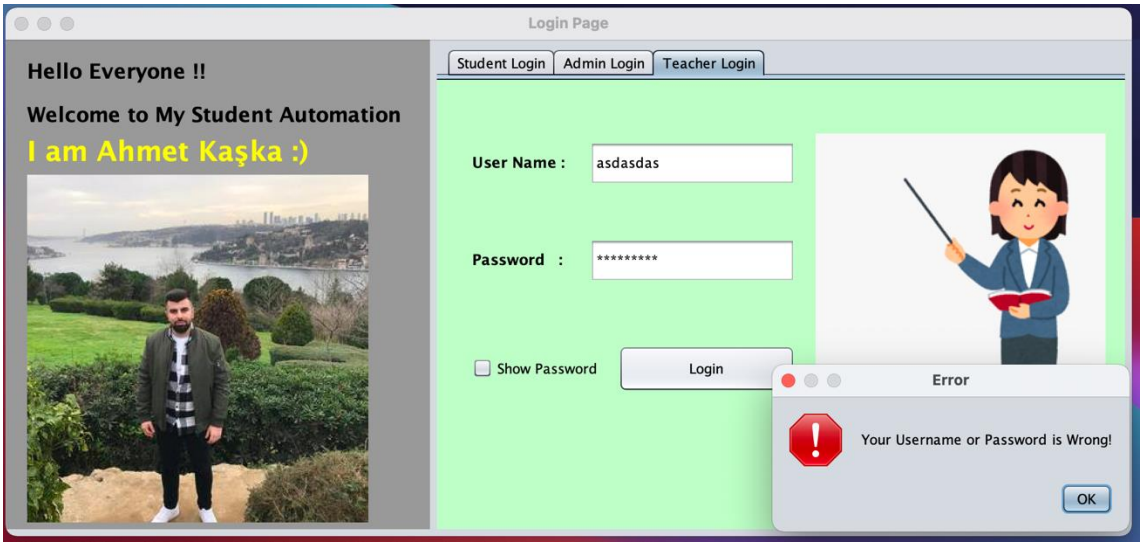
- With the Show course button, the teacher records drawn from the database are displayed.



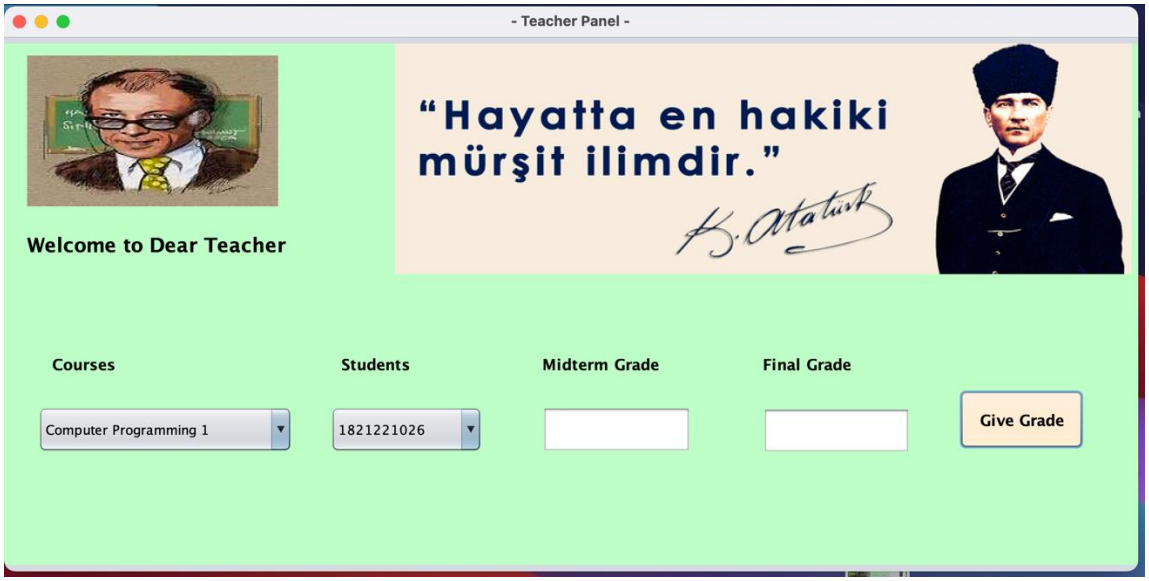
- Teacher Panels



- If password or username of teacher is wrong



- The teacher whose entry is successful in the teacher panel enters the midterm and final grades of the students according to the courses they have taken. The average is calculated together with the percentage effects of these grades and the letter grade is determined by the letter grade calculation function.



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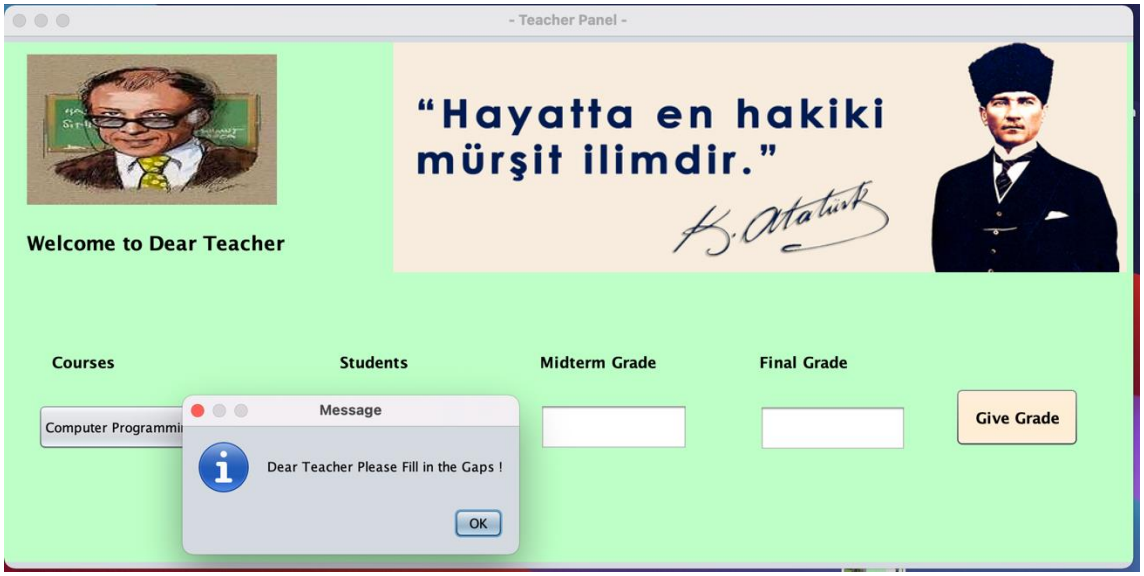
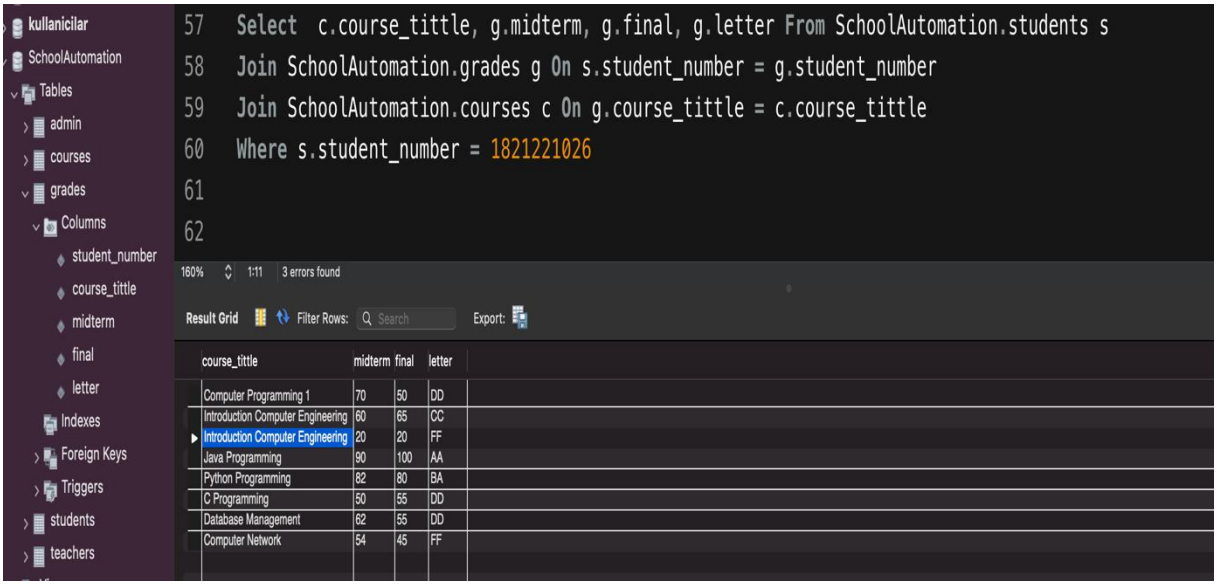
- Database Testing